

PATENT ABSTRACTS OF JAPAN

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(21)Application number : 02-264739

(71)Applicant : TOPPAN PRINTING CO LTD

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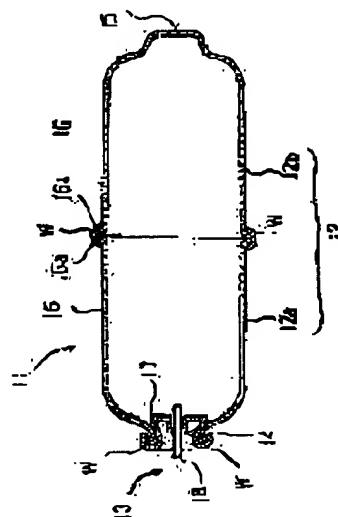
(72)Inventor : YAMAGUCHI MIKIRO
KOIDE YOSHIO
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(54) SIMPLE PRESSURE VESSEL

(57)Abstract:

PURPOSE: To increase capacity and reduce manufacturing cost by setting the recessed part sides of two container-like parts of the same shape at mutually opposite positions, then thereby joining open end parts together and forming a through hole at the bottom at one of the parts and introducing a valve part into the through hole.

CONSTITUTION: The intermediate product of the first barrel part 12a or the second barrel part 12b obtained by deep-drawing a steel plate is formed into almost a container-like shape. In addition, a bottom 15 and a cylindrical part 16 are formed in one piece and a flanged part 16a is formed at the end of an opening. Then a through hole 14 is formed in the center of the bottom 15 on the intermediate product of the first barrel part 12a and the peripheral edge is curled. Thus the first barrel part 12a is formed and the first and the second barrel part 12a, 12b are joined airtightly using seam welding technique by causing the flanged parts 16a to collide with the other. After that, a valve part 13 consisting of a valve plate 17 and a main valve system 18 is introduced in the through hole 14 on the first barrel part 12a using seam welding technique. In this way, a pressure vessel 11 is formed.



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(71)Applicant : MINAMIURA MORIYA

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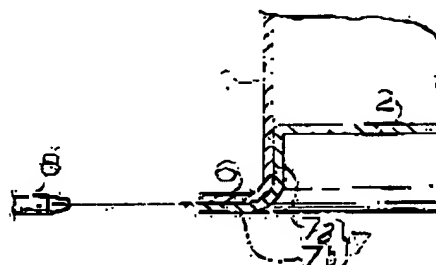
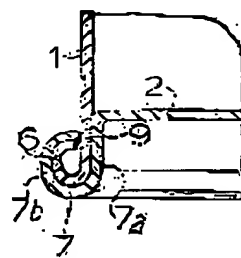
(72)Inventor : MINAMIURA MORIYA

(54) CAN MAKING METHOD

(57)Abstract:

PURPOSE: To obtain perfect airtightness by superposing the outside circumferential edge part of a cap plate to the opening end edge part of a can body and welding fully circumferentially the end edges of both parts to each other then bending the superposed end edge parts to the outside or inside of the can body.

CONSTITUTION: An opening end edge part 6 of a can body 1 formed to a cylindrical shape is bent to a flat flange shape and the outside circumferential end part 7 of a flat plate-shaped cap plate 2 is folded then a flat flange part 7b is formed to the tip of the folded part 7a. The part 7 is superposed on the part 6 and the end edges of the body 1 and the plate 2 are welded over the entire circumference to each other by a welding machine 8. The superposed end edge parts 6, 7 of the body 1 and the plate 2 are bent integrally toward the outside of the body 1 by a curling roll or the like to make preferably a weld zone 9 hardly visible. The can body and the cap plate are thus securely joined and the airtightness is thoroughly assured.



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